

In the Claims

1.(amended) A safety toggle bolt for anchoring to an object having a hole therethrough leading to an opening space, comprising:

a handle member having a proximal end having an anchoring attachment;

a toggle bar pivotally connected to a distal end of said handle member, wherein said toggle bar is adapted for pivoting between a closed position for insertion through the hole into the opening space and an open position in which the toggle bar cannot be withdrawn from the opening space back through the hole; and

a toggle bar pivot control member, said pivot control member having a handle end accessible outside the hole and a control end attached to said toggle bar, for pivoting said toggle bar between said open position and said closed position, to enable withdrawal of said toggle bar from the opening space back through the hole.

2.(amended) The safety toggle bolt of claim 1, wherein said handle member comprises a flexible cable.

3.(amended) A safety toggle bolt for anchoring to an object having a hole therethrough leading to an opening space, comprising:

a handle member having a proximal end having an anchoring attachment;

a toggle bar pivotally connected to a distal end of said handle member, wherein said toggle bar is adapted for pivoting between a closed position for insertion through the hole into the opening space, and an open position in which the toggle bar cannot be withdrawn from the opening space back through the hole; and

a toggle bar return spring, attached to said toggle bar, for biasing said toggle bar in said open position.

4.(amended) The safety toggle bolt of claim 3, wherein said handle member comprises a flexible cable.

5.(amended) A safety toggle bolt for anchoring to an object having a hole therethrough leading to an opening space, comprising:

a handle member having a proximal end including an anchoring attachment;

a toggle bar pivotally connected to a distal end of said handle member, wherein said toggle bar is adapted for pivoting between a closed position for insertion through the hole into the opening space, and an open position in which the toggle bar cannot be withdrawn from the opening space back through the hole; and

a hole plug, said handle member slidably extending through said hole plug, said hole plug having a lip portion for fixing the position of said hole plug against the object, said hole plug being adapted such that said hole plug may be slidably moving on said handle member without causing said pivoting of said toggle bar.

6.(amended) The safety toggle bolt of claim 5, wherein said hole plug is further adapted to guide said handle member through said hole such that said handle member is substantially free of contact with the interior of said hole.

7.(amended) The safety toggle bolt of claim 5, further comprising an elongate toggle bar pivot control member, said pivot control member having a handle end accessible outside the hole and a control end attached to said toggle bar, for pivoting said toggle bar between said open position and said closed position, to enable withdrawal of said toggle bar from the opening space back through the hole.

8.(amended) The safety toggle bolt of claim 7, wherein said pivot control member slidably extends through said lip portion of said hole plug.

9.(amended) The safety toggle bolt of claim 8, wherein said pivot control member slidably extends entirely through said hole plug.

10.(amended) The safety toggle bolt of claim 7, wherein said hole plug is further adapted to guide said pivot control member through said hole such that said pivot control member is substantially free of contact with the interior of said hole.

11.(amended) The safety toggle bolt of claim 7, wherein said hole plug is further adapted to guide said handle member through said hole such that said handle member is substantially free of contact with the interior of said hole.

12.(amended) The safety toggle bolt of claim 11, wherein said handle member comprises a flexible cable.

13.(amended) The safety toggle bolt of claim 11, wherein said toggle bar, in said closed position, is adapted to fit into a recess in said plug, for holding said toggle bar in said closed position.

14.(amended) The safety toggle bolt of claim 13, wherein said handle member comprises a flexible cable.

15.(amended) The safety toggle bolt of claim 5, further comprising a plug biasing member for biasing said hole plug toward said toggle bar such that said hole plug and said toggle bar are urged against the object having a hole therethrough after said safety toggle bolt is inserted in the hole and said handle is released.

16.(amended) The safety toggle bolt of claim 15, wherein said plug biasing member is a spring.

17.(amended) The safety toggle bolt of claim 5, further comprising a toggle bar return member for biasing said toggle bar in said open position.

18.(amended) The safety toggle bolt of claim 17, wherein said toggle bar return member is a spring.

19.(amended) The safety toggle bolt of claim 17, further comprising a plug biasing member for biasing said hole plug toward said toggle bar such that said hole plug and said toggle bar are

urged against the object having a hole therethrough after said safety toggle bolt is inserted in the hole and said handle is released.

20.(amended) The safety toggle bolt of claim 19, wherein said plug biasing member is a spring.

21.(new) The safety toggle bolt of claim 5, wherein said handle member comprises a flexible cable.

22.(new) The safety toggle bolt of claim 21, wherein said hole plug is further adapted to guide said handle member through said hole such that said handle member is substantially free of contact with the interior of said hole.

23.(new) The safety toggle bolt of claim 5, wherein said toggle bar, in said closed position, is adapted to fit into a recess in said plug, for holding said toggle bar in said closed position.

24.(new) The safety toggle bolt of claim 19, further comprising an elongate toggle bar pivot control member movable in the direction of said axis with respect to said handle member, said pivot control member having a handle end accessible outside the hole and a control end attached to said toggle bar, for pivoting said toggle bar between said open position and said closed position, to enable withdrawal of said toggle bar from the opening space back through the hole.

25.(new) The safety toggle bolt of claim 24, wherein said handle member comprises a flexible cable.

26.(new) A method for anchoring to an object having a hole therethrough leading to an opening space, comprising:

providing a safety toggle bolt having a handle member and a toggle bar pivotally connected thereto and a toggle bar biasing member;

disposing said toggle bar in a closed position for inserting the toggle bolt through the hole and into the open space; and

pushing on said handle member so as to space said toggle bar from the hole sufficiently to permit said toggle bar biasing member to pivot said toggle bar into an open position in which said toggle bar cannot be withdrawn from the opening space through the hole.

27.(new) The method of claim 26, further comprising providing a hole plug and a hole plug biasing member, and releasing said handle member wherein said step of releasing includes seating said hole plug on the hole and biasing said toggle bar towards said hole plug.

28.(new) The method of claim 27, wherein said step of disposing said toggle bar in said closed position includes locking said toggle bar in said closed position, wherein said step of

pushing on said handle member includes automatically unlocking said toggle bar from the locked closed position.

29.(new) The method of claim 28, wherein said step of locking said toggle bar in said closed position includes engaging an end of said toggle bar with said hole plug.

30.(new) The method of claim 29, wherein said step of engaging an end of said toggle bar with said hole plug includes inserting said end in a recess in said hole plug.

31.(new) The method of claim 27, wherein said hole plug biasing member comprises a spring.

32.(new) The method of claim 26, wherein said toggle bar biasing member comprises a spring.

33.(new) The method of claim 26, further comprising removing said safety toggle bolt from the hole by returning said toggle bar to said closed position for withdrawal from the hole.

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